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	Approved For Releas	• se 2006/12/05 : CIA-RDP78-03576A0001000200	)10-8
•		l a.	les
-		COURSE CRITIQUE	
		COOTED CITITION	
		poor to excellent respectively) by place ment below question where indicated.	
FC	DRM		RATING
5% time	mat of the course we commitment and to	as intended to accommodate to a rough provide for a full-day class treatmen . Please rate:	ι . · . <b>t</b>
		1 day/month 4 hours/every 2 weeks	1 1
Other A	lternatives:		
current	point of the applica course material wa ectiveness:	tions session was to illustrate where as utilized in the real world. Please	
		Material relevance Applications speakers	1 1

3 one-hour problems 20 ten-minute problems

Problem-solving session 1 Second applications session 1

3. The purpose of the homework was to exercise topical material

4. The goal of the intermediate 2-hour session was to give a "keepalive" exercise in the topical area. Please rate these alternatives

with about 8 hours of work. Please rate these:

for continuity:

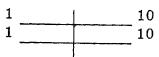
5. The class was intended to be wei pictorial development in order to correadily. Please rate:	ghted towards a blackboard- nvey modelling concepts more	
	Diagrammatic presentation Mix of vuegraphs & chalkboard	$ \begin{array}{c c} 1 & 10 \\ 1 & 10 \end{array} $
6. The symbology of various system the separate source developments. made in order to permit cross interliterature. Please rate effectivenes	An effort at consistency was pretation within the technical	•
	Common symbology Example illustrations	1 , 10
7. The intent of notes and handout r month was to tie course topics to ten	naterial furnished throughout the chnical literature. Please rate:  Effectiveness of handout reprints  Effectiveness of specially developed handouts	1
8. General impedimenta such as sa format, etc., for providing continui	ame room same day/month, same ity. Please rate:	
	Room Day Daily sequence	1 10 1 10
9. The course was designed to preserveral disciplines: Please rate approximate	sent a semi-unitary approach to oplicable areas 1-10:	
	otics Acoustics eismics Pictorial	

S	U	BS	${ m T}$	Α	N	С	$\mathbf{E}$	

RATING

10. The course material was split 50% basic math tools and 50% in commonality subsystems. (Those subsystems which are pervasive in designs across disciplines.) The sequence was that recommended by ASEE for math modelling related to several fields. Please rate:

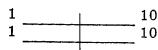
Balance of material Total content



The sequence is given below for each session. Please give your rating for both material content and for the applications given both formally and in the course of concept development.

11. Session I; Vectorial Representation; matrices, num. analysis, linear systems, sampling, manipulation

Material Application



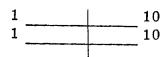
12. Session II; Transforms; convolution, Fourier and Laplace transformations, Z transforms, impulse response, numerical analysis.

Material Application

1		10
1		10

13. Session III; Probability and Statistics; random var., expectancy, density functions, distributions, confidence limits

Material Application



14. Session IV; Stochastic Variable; stationarity, ergodicity, moments, correlation, power spectral density, white noise, square law detection.

Material Application

1	· 	10
1		10

15. Session V; Signal Detection; value, cost liklihood ratio

detection, Bayes Law.		•	
	Material Application	1	1:
16. Session VI; Detector Subsycharacteristics, detection situated and prediction.		hing	
	Material	1	1
	Application	1 .	10
17. Session VII; Detector Subswhitening, matched filtering, the chains.	<del>-</del>	ÞV	•
	Material Application	1	1(
	Application	1	10
18. Session VIII; Spatial Proce filtering, correlation matrix fo		hips, spatial	
	Material	1	10
	Application	1	10
19. Session IX Spatial Process filtering, lobe periodicity.	ing II; optimum array, shadi	ng, optimum	
	Material	1	10
	Application	1	10

20. Session X; Servomechanis regulation, feedback, root locu	<del>-</del>	•
	Material Application	1 10 10
21. Session XI; Modulation; arband modulation, effects of ind	The state of the s	_
	Material Application	1 10 10
22. Session XII; Modulation; I noise immunity, entropy. (Co		rrection codes,
	Material Application	1 10 10
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